INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
HAZARDOUS WASTE MANAGEMENT PERMIT

Name of Permittee: Eli Lilly and Company

Facility Location: 10500 South S.R. 63, Clinton, Indiana

EPA Identification Number: IND072040348

Issuance Date: _____

Expiration Date: _____

Authorized Activities

Pursuant to Indiana Environmental Statutes (IC 13) and the rules promulgated thereunder and codified in Title 329 of the Indiana Administrative Code, Article 3.1 (329 IAC 3.1), the State permit conditions (hereinafter called the permit) of the Resource Conservation and Recovery Act of 1976 (RCRA) permit are issued to Eli Lilly and Company, Clinton Laboratories (hereinafter called the Permittee) to operate a hazardous waste facility located in Clinton, Indiana, Section 22, Township 15 North, Range 9 West at latitude 39° 44' 00" and longitude 87° 23' 30", Clinton Quadrangle, on the U.S. Geological Survey topographic map.

The State RCRA program is authorized under 40 CFR Part 271 and Section 3006 of RCRA to administer the hazardous waste management program in lieu of the Federal program, including administration of most of the Hazardous and Solid Waste Amendments (HSWA) of 1984. Since the State of Indiana has not yet received authorization to administer the most recent hazardous waste program requirements under HSWA, additional permit conditions may be issued by the U.S. EPA to address these new requirements.

The Permittee is authorized to conduct the following hazardous waste management activities:

	STORAGE		TREATMENT		DISPOSAL
X	Container	X	Tank		Injection Well
X	Tanks		Surface Impoundments		Landfill
	Waste Pile	X	Incinerator		Land Application
	Surface Impoundment		Other		

Federal regulations 40 CFR Parts 260 through 270 have been incorporated by reference. Where exceptions to incorporated Federal regulations are necessary, these exceptions will be noted in the text of the State rule 329 IAC 3.1-1-7.

The conditions of this permit were developed in accordance with the following applicable provisions of 329 IAC 3.1:

__X__ ID & Listing of Hazardous Waste
329 IAC 3.1-6
40 CFR 261 Subparts A, B, C, D, and
Appendices I, II, III, VII, VIII, IX, X

__X__ Standards for Owners and Operators of
Treatment, Storage, and Disposal Facilities
329 IAC 3.1-9
40 CFR 264 Subparts A, B, C, D, and E

____ Ground Water Protection
329 IAC 3.1-9
40 CFR 264 Subpart F

__X__ Closure and Post-Closure
329 IAC 3.1-9
40 CFR 264 Subpart G

__X__ Financial Requirements
329 IAC 3.1-15

__X__ Use and Management of Containers
329 IAC 3.1-9
40 CFR 264 Subpart I

__X__ Tank Systems
329 IAC 3.1-9
40 CFR 264 Subpart J

____ Surface Impoundments
329 IAC 3.1-9
40 CFR 264 Subpart K

____ Waste Piles
329 IAC 3.1-9
40 CFR 264 Subpart L

____ Land Treatment
329 IAC 3.1-9
40 CFR 264 Subpart M

____ Landfills
329 IAC 3.1-9
40 CFR 264 Subpart N

__X__ Incinerators
329 IAC 3.1-9
40 CFR 264 Subpart 0

__X__ Corrective Action for Solid Waste Management Units
329 IAC 3.1-9
40 CFR 264 Subpart S

____ Drip Pads
329 IAC 3.1-9
40 CFR 264 Subpart W

__X__ Air Emission Standards for Process Vents
329 IAC 3.1-9
40 CFR 264 Subpart AA

__X__ Air Emission Standards for Equipment Leaks
329 IAC 3.1-9
40 CFR 264 Subpart BB

__X__ Air Emission Standards for Tanks Surface Impoundments and Containers
329 IAC 3.1-9
40 CFR 264 Subpart CC

__X__ Hazardous Waste Permit Programs
329 IAC 3.1-13
40 CFR 270 Subparts A, B, C, and D

__X__ Inspection and Investigation
329 IAC 3.1-1-3 and 329 IAC 3.1-1-4

__X__ Enforcement
329 IAC 3.1-1-5

Permit Approval

The Permittee must comply with all terms and conditions of this permit. This permit consists of the conditions contained herein (including those in any Attachments) and the applicable rules and requirements contained in 329 IAC 3.1 and 40 CFR 260 through 270 as specified in the permit. Applicable rules are those which are in effect on the date of issuance of this permit. (See 329 IAC 3.1-13; 40 CFR 270.32)

This permit is based on the assumption that the information submitted in the permit application attached to the Permittee's letter dated November 2006, and any subsequent amendments (hereafter referred to as the application) is accurate and that the facility has been or will be constructed and/or operated as specified in the application. Any inaccuracies found in the application may be grounds for the modification, revocation and reissuance, or termination of this permit (329 IAC 3.1-13-7), and potential enforcement action. The Permittee must inform the Indiana Department of Environmental Management (IDEM) of any deviation from, or changes in, the information in the application which would affect the Permittee's ability to comply with the applicable rules or permit conditions.

Pursuant to IC 13-15-5-3 and IC 4-21.5-3-5(f), this permit takes effect fifteen (15) days from receipt of this notice. If you wish to challenge this decision, IC 13-15-6-1 and IC 4-21.5-3-7 require that you file a Petition for Administrative Review. If you seek to have the effectiveness of the permit stayed during administrative review, you must also file a Petition for Stay. The petition(s) must be submitted to the Office of Environmental Adjudication, Government Center North, Room 1049, 100 North Senate Avenue, Indianapolis, Indiana 46204, within fifteen (15) days after your receipt of this notice. The petition(s) must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision, or otherwise entitled to review by law. Identifying the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, or date of this notice will expedite review of the petition. Additionally, IC 13-15-6-2 requires that a Petition for Administrative Review must include:

1. The name and address of the person making the request.
2. The interest of the person making the request.
3. Identification of any persons represented by the person making the request.
4. The reasons, with particularity, for the request.
5. The issues, with particularity, proposed for consideration at the hearing.
6. Identification of the terms of the permit which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing licenses of the type granted or denied by the Commissioner.

Pursuant to IC 4-21.5-3-1(f), any document serving as a petition for review or review and stay must be filed with the Office of Environmental Adjudication. Filing of such a document is complete on the earliest of the following dates:

1. the date on which the petition is delivered to the Office of Environmental Adjudication, Government Center North, Room 1049, 100 North Senate Avenue, Indianapolis, Indiana 46204;

2. the date of the postmark on the envelope containing the petition, if the petition is mailed by United States mail; or

3. the date on which the petition is deposited with a private carrier, as shown by a receipt issued by the carrier, if the petition is sent by private carrier.

The portions of the permit for which a Petition for Stay has been filed will take effect at the expiration of the additional fifteen (15) day period unless or until an Environmental Law Judge stays the permit in whole or in part. This permit shall remain in effect until five (5) years from the effective date unless revoked and reissued, modified, or terminated (329 IAC 3.1-13-7), or continued in accordance with IC 13-15-6-3.

This permit terminates and supersedes any other State hazardous waste management permit.

Issued this_____day of_____2007.

By:_____
Thomas E. Linson, Chief
Permits Branch
Office of Land Quality

Eli Lilly and Company
Clinton, Indiana
IND072040348

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I. STANDARD CONDITIONS

A. EFFECT OF PERMIT

The Permittee is allowed to treat and store hazardous waste in accordance with the conditions of the RCRA permit. Any storage or treatment of hazardous waste not authorized in this permit or the regulations is prohibited.

Pursuant to 329 IAC 3.1 and 40 CFR 260 through 270 (for HSWA Provisions), compliance with the conditions of this RCRA Permit generally constitutes compliance for purposes of enforcement, with the Indiana Environmental Management Act and RCRA, as amended by HSWA, except for those requirements not included in the Permit which become effective by statute, or which are promulgated under 329 IAC 3.1 and 40 CFR Section 260 through 270, restricting the placement of hazardous wastes in or on the land. Issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of Federal, State, or local laws or regulations. Compliance with the terms of this permit does not constitute a defense to any Order issued or any action brought under Section 3013 or Section 7003 of RCRA; Section 106(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 601), commonly known as CERCLA, as amended by the Superfund Amendments and Reauthorization Act of 1986 (42 U.S.C. 9606(a)), commonly known as SARA, or any other law providing for protection of public health or the environment. 329 IAC 3.1-13; 40 CFR 270.4; IC 13

B. PERMIT ACTIONS

This permit may be modified, revoked and reissued, or terminated for cause as specified in 329 IAC 3.1-13-7. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any permit condition.

C. SEVERABILITY

The provisions of the permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby. In the event that a condition of this permit is stayed for any reason, all provisions of the permit severable from the stayed provisions shall take effect. With regard to stayed provisions of the permit, the Permittee shall continue to comply with the related applicable standards and relevant permitted standards in 329 IAC 3.1-9 and 329 IAC 3.1-15 from the previously issued permit until final resolution of the stayed condition, unless the Commissioner of the Indiana Department of Environmental Management (Commissioner) determines that compliance with the related applicable and relevant standards would be technologically incompatible with other conditions of this permit which have not been stayed. 329 IAC 3.1-13; 40 CFR 270.32

D. DUTIES AND REQUIREMENTS

1. Duty to Comply. The Permittee shall comply with all conditions of the RCRA permit, except to the extent and for the duration such noncompliance is authorized by an emergency permit. Any permit noncompliance, other than noncompliance authorized by an emergency permit, constitutes a violation of IC 13 and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. 329 IAC 3.1-13; 40 CFR 270.30(a); 270.61

2. Duty to Reapply. The Permittee shall submit a complete application for a new permit at least 180 days before this permit expires unless: a) the Permittee no longer wishes to operate a hazardous waste management facility or the Permittee is no longer required to have a RCRA permit, or b) permission for submittal on a later date has been granted by the Commissioner. 329 IAC 3.1-13; 329 IAC 3.1-13-3(h); 40 CFR 270.30(b)

   The corrective action obligations contained in this permit will continue regardless of whether the facility continues to operate or ceases operation and closes. The Permittee must submit an application for permit reissuance at least 180 days before the expiration date of this permit pursuant to 40 CFR 270.10(h) unless: a) the permit has been modified to terminate the corrective action schedule of compliance and the Permittee has been released from the requirements for financial assurance for corrective action; or b) permission for a later date has been granted by the Commissioner. The Commissioner shall not grant permission for applications to be submitted later than the expiration date of the existing permit.

3. Permit Expiration. The duration of this permit shall not exceed five (5) years from the effective date of the permit, except as provided by 329 IAC 3.1-13-15. This permit and all conditions herein will remain in effect beyond the permit's expiration date if the Permittee has submitted a timely, complete application for a new permit and through no fault of the Permittee, the Commissioner has not issued a new permit with an effective date under 329 IAC 3.1-13-14 on or before the expiration date of the previous permit. 329 IAC 3.1-13-16

4. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. 329 IAC 3.1-13; 40 CFR 270.30(c)

5. Duty to Mitigate. In the event of non-compliance with this Permit, the Permittee shall take all reasonable steps to minimize releases to the environment, and shall carry out such measures as are reasonable to prevent significant adverse impacts on human health or the environment. 329 IAC 3.1-13; 40 CFR 270.30(d)

6. Proper Operation and Maintenance. The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facility or similar systems only when necessary to achieve compliance with the conditions of the permit. 329 IAC 3.1-13; 40 CFR 270.30(e)

7. Duty to Provide Information. The Permittee shall furnish to the Commissioner, within a reasonable time, any relevant information which the Commissioner may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Commissioner, upon request, copies of records required to be kept by this permit. 329 IAC 3.1-13; 40 CFR 270.30(h); 264.74

8. Inspection and Entry. Pursuant to 329 IAC 3.1-1-3 and 40 CFR 270.30(i), the Permittee shall allow the Commissioner, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

   a. Enter at reasonable times upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit (329 IAC 3.1-13; 40 CFR 270.30(i)(l));

   b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit (329 IAC 3.1-13; 40 CFR 270.30(i)(2));

   c. Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit (329 IAC 3.1-13; 40 CFR 270.30(i)(3)); and

   d. Sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by IC 13, any substances or parameters at any location (329 IAC 3.1-13; 40 CFR 270.30(i)(4)).

9. Monitoring and Reporting.

   a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from 329 IAC 3.1-6; 40 CFR 261, Appendix I. Laboratory methods must be those specified in Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, (Third Edition as amended by updates) (as referenced in 40 CFR 260.11); Standard Methods for the Examination of Water and Wastewater, (the 19th Edition, 1995); or an equivalent method as specified in the attached Waste Analysis Plan. 329 IAC 3.1-13; 40 CFR 270.30(j)(l)

   b. The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports and records required by this permit, and records of all data used to complete the application for this permit for a period of at least three (3) years from the date of the sample, measurement, report, or record or for a period of time greater than three (3) years as specified elsewhere in this permit. Corrective Action records must be maintained at least 3 years after all Corrective Action activities have been completed. These periods may be extended by request of the Commissioner at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility. 329 IAC 3.1-13; 40 CFR 270.30(j)(2) and 40 CFR 264.74(b)

c. Pursuant to 329 IAC 3.1-13; 40 CFR 270.30(j)(3), records of monitoring information shall include:

i. The date(s), exact place, and times of sampling or measurements;

ii. The individual(s) who performed the sampling or measurements;

iii. The date(s) analyses were performed;

iv. The individual(s) and laboratory who performed the analyses;

v. The analytical technique(s) or method(s) used. Analytical technique(s) or method(s) is defined as encompassing both the sampling technique (method) and method of chemical analysis used. This information must be provided in the Waste Analysis Plan; and

vi. The result(s) of such analyses, including QA/QC documentation.

d. Monitoring results shall be reported to the Commissioner at the intervals specified elsewhere in this permit. 329 IAC 3.1-13; 40 CFR 270.30(1)(4)

10. Reporting Planned Changes. The Permittee shall give notice to the Commissioner as soon as possible of any planned physical alterations or additions to the permitted facility. 329 IAC 3.1-13; 40 CFR 270.30(1)(1)

11. Transfer of Permits. This permit may be transferred to a new owner or operator only if it is modified or revoked and reissued pursuant to 329 IAC 3.1-13; 40 CFR 270.40(b) or 40 CFR 270.41(b)(2) to identify the new Permittee and incorporate such other requirements as may be necessary under IC 13. Before transferring ownership or operation of the facility during its operating life, the Permittee shall notify the new owner or operator, in writing, of the requirements of 329 IAC 3.1 and IC 13, including all applicable corrective action requirements. 329 IAC 3.1-13; 40 CFR 270.40

12. Reporting Anticipated Noncompliance. The Permittee shall give advance notice to the Commissioner of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. Such notification does not excuse the Permittee's duty to comply with permit requirements. 329 IAC 3.1-13; 40 CFR 270.30(1)(2)

13. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than fourteen (14) days following each schedule date. 329 IAC 3.1-13; 40 CFR 270.30(1)(5)

14. Twenty-four Hour Reporting. The Permittee shall report to the Commissioner any noncompliance with the permit which may endanger health or the environment. Any such information shall be reported orally to the IDEM 24 hour emergency telephone number

317/233-7745, within twenty-four (24) hours from the time the Permittee becomes aware of the circumstances. Pursuant to 329 IAC 3.1-13; 40 CFR 270.30(1)(6), this report shall include the following:

a. Information concerning the release of any hazardous waste which may endanger public drinking water supplies.

b. Information concerning the release or discharge of any hazardous waste, or of a fire or explosion at the facility, which could threaten the environment or human health outside the facility. The description of the occurrence and its cause shall include:

i. Name, address, and telephone number of the owner or operator;

ii. Name, address, and telephone number of the facility;

iii. Date, time, and type of incident;

iv. Name and quantity of material(s) involved;

v. The extent of injuries, if any;

vi. An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and

vii. Estimated quantity and disposition of recovered material that resulted from the incident.

A written submission shall also be provided within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance (including exact dates and times); whether the noncompliance has been corrected; and if not, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Permittee need not comply with the five (5)-day written notice requirement if the Commissioner waives the requirement and the Permittee submits a written report within fifteen (15) days of the time the Permittee becomes aware of the circumstances.

15. Other Noncompliance. The Permittee shall report all instances of noncompliance not otherwise required to be reported under Condition I.D.14., at the time monitoring reports, as required by this permit, are submitted. The reports shall contain the information listed in Condition I.D.14. 329 IAC 3.1-13; 40 CFR 270.30(1)(10)

16. Other Information. When the Permittee becomes aware that the facility failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Commissioner, the Permittee shall promptly submit such facts or information. 329 IAC 3.1-13; 40 CFR 270.30(1)(11)

17. Submittal of Reports or Other Information. All reports or other information required to be submitted by the terms of this permit shall be sent to:

    Commissioner
    Indiana Department of Environmental Management
    100 North Senate Avenue
    Indianapolis, IN 46204-2241
    Attention: Chief, Permits Branch

18. All other requirements contained in RCRA, as amended, and in 40 CFR 270.30 not set forth herein are hereby fully incorporated in this permit.

E. SIGNATORY REQUIREMENT All reports or other information requested by the Commissioner shall be signed and certified as required by 329 IAC 3.1-13; 40 CFR 270.11.

F. CONFIDENTIAL INFORMATION The Permittee may claim confidential any information required to be submitted by this permit in accordance with 329 IAC 3.1-13-4, 329 IAC 6.1, and IC 13-14-11-1.

G. WASTE MINIMIZATION

The Permittee shall certify at least annually that the Permittee has a program in place to reduce the volume and toxicity of hazardous waste that the Permittee generates to the degree determined by the Permittee to be economically practicable; and the proposed method of treatment, storage, or disposal is that practicable method currently available to the Permittee which minimizes the present and future threat to human health and the environment, in accordance with 40 CFR 264.73(b)(9) and Section 3005(h) of RCRA, 42 U.S.C. §6925(h). The certifications shall be recorded, as they become available, and maintained in the operating record until closure of the facility.

H. DOCUMENTS TO BE MAINTAINED AT FACILITY SITE Except as noted in the regulations, the Permittee shall maintain at the facility, until closure is completed and certified by the owner/operator and an independent registered professional engineer, the following documents and amendments, revisions and modifications to these documents:

1. Waste Analysis Plan as required by 329 IAC 3.1-9, 40 CFR 264.13 and this permit and any document(s) referenced therein to describe on-site procedures.

2. Personnel training documents and records as required by 329 IAC 3.1-9, 40 CFR 264.16(d) and (e) and this permit.

3. Contingency Plan as required by 329 IAC 3.1-9, 40 CFR 264.53(a), and this permit.

4. Closure Plan as required by 329 IAC 3.1-9, 40 CFR 264.112(a)(2), and this permit.

5. Cost estimate for facility closure as required by 329 IAC 3.1-15-3, and this permit.

6. Operating record as required by 329 IAC 3.1-9, 40 CFR 264.73, and this permit.

7. Inspection schedules as required by 329 IAC 3.1-9, 40 CFR 264.15(b)(2), and this permit.

8. Record of facility inspections, as required by 329 IAC 3.1-9, 40 CFR 264.15(d), and this permit, shall be maintained for at least three years.

9. Copies of all manifests for shipments of hazardous waste received at and originating from this facility, as required by 329 IAC 3.1-7, 329 IAC 3.1-9-2(6) 40 CFR 262.40, 40 CFR 264.71, and this permit, shall be maintained for at least three years.

10. Notifications from generators subject to 40 CFR Part 268, Subtitle C, that specify treatment standards, as required by 40 CFR 264.73, 268.7, and this permit.

11. Waste minimization certifications must be part of the operating record as required by 40 CFR 264.73(b)(9).

12. Corrective Action reports and records as required by Permit Condition VII. of this permit. These reports and records must be maintained for at least 3 years after all Corrective Action Activities have been completed; and

13. Records regarding closed-vent systems and control devices and/or equipment leaks as required by Permit Condition III. of this permit.

II. GENERAL FACILITY CONDITIONS

A. DESIGN AND OPERATION OF FACILITY The Permittee shall maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, ground water or surface water which could threaten human health or the environment.

B. REQUIRED NOTICE

(1) The Permittee shall notify the Commissioner in writing at least four (4) weeks in advance of the date the Permittee expects to receive hazardous waste from a foreign source. Notice of subsequent shipments of the same waste having the same EPA hazardous waste number from the same foreign source is not required. 329 IAC 3.1-9, 40 CFR 264.12(a)

(2) When the Permittee is to receive hazardous waste from an off-site source (except where the Permittee is also the generator), it must inform the generator in writing that it has the appropriate permits for, and will accept, the waste the generator is shipping. The Permittee must keep a copy of this written notice as part of the operating record. (See Permit Condition II.K.1). 329 IAC 3.1-9, 40 CFR 264.12(b)

C. GENERAL WASTE ANALYSIS The Permittee shall comply with the procedures described in the attached Waste Analysis Plan, Attachment C, which is incorporated herein by reference.

D. SECURITY The Permittee shall comply with the security provisions of 329 IAC 3.1-9 and 40 CFR 264.14(b) and (c) as described in the Procedures to Prevent Hazards, Attachment F, which is incorporated herein by reference.

E. GENERAL INSPECTION REQUIREMENTS The Permittee shall follow the inspection schedule in the Procedures to Prevent Hazards, Attachment F. The Permittee shall remedy any deterioration or malfunction discovered by an inspection as required by 329 IAC 3.1-9 and 40 CFR 264.15(c). Records of inspections shall be kept as required by 329 IAC 3.1-9 and 40 CFR 264.15(d).

F. PERSONNEL TRAINING The Permittee shall conduct personnel training as required by 329 IAC 3.1-9 and 40 CFR 264.16. This training program shall follow the attached outline in the Personnel Training Plan, Attachment H, which is incorporated herein by reference. The Permittee shall maintain training documents and records as required by 329 IAC 3.1-9 and 40 CFR 264.16(d) and (e).

G. GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE The Permittee shall comply with the requirements of 329 IAC 3.1-9 and 40 CFR 264.17.

H. PREPAREDNESS AND PREVENTION

1. Required Equipment. The Permittee shall equip the facility with the equipment set forth in the attached Contingency Plan, Attachment G, which is incorporated herein by reference, and as required by 329 IAC 3.1-9 and 40 CFR 264.32.

2. Testing and Maintenance of Equipment. The Permittee shall test and maintain the equipment specified in Attachment G as necessary to assure its proper operation in time of emergency. Such testing and maintenance activities are set forth in the inspection schedule in Attachment F.

3. Access to Communications or Alarm System. The Permittee shall maintain access to the communications or alarm systems as required by 329 IAC 3.1-9 and 40 CFR 264.34.

4. Required Aisle Space. The Permittee shall maintain aisle space as required by 329 IAC 3.1-9 and 40 CFR 264.35.

5. Arrangements with Local Authorities. The Permittee shall attempt to make arrangements with State and local authorities as required by 329 IAC 3.1-9 and 40 CFR 264.37. If State or local officials refuse to enter into preparedness and prevention arrangements with the Permittee, the Permittee must document this refusal in the operating record.

I. CONTINGENCY PLAN

1. Implementation of Plan. The Permittee shall immediately comply with the provisions of the Contingency Plan, Attachment G, and follow the emergency procedures described by 329 IAC 3.1-9-2(4) and (5) and 40 CFR 264.56 whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which threatens or could threaten human health or the environment.

2. Copies of Plan. The Permittee shall comply with the requirements of 329 IAC 3.1-9 and 40 CFR 264.53.

3. Amendments to Plan. The Permittee shall review and immediately amend, if necessary, the Contingency Plan, as required by 329 IAC 3.1-9 and 40 CFR 264.54.

4. Emergency-Coordinator. The Permittee shall comply with the requirements of 329 IAC 3.1-9 and 40 CFR 264.55, concerning the Emergency Coordinator.

J. MANIFEST SYSTEM The Permittee shall comply with the manifest requirements of 329 IAC 3.1-9, 40 CFR 264.71, 264.72, and 264.76.

K. RECORD KEEPING AND REPORTING In addition to the record keeping and reporting requirements specified elsewhere in this Permit, the Permittee shall comply with the following record keeping and reporting requirements:

1. Operating Record. The Permittee shall maintain a written operating record at the facility in accordance with 329 IAC 3.1-9 and 40 CFR 264.73.

2. Sampling and Analysis Records. The Permittee shall keep original or exact copies of all sampling and analysis records. These records shall be kept in an orderly manner and available for inspection, in accordance with 329 IAC 3.1-9 and 40 CFR 264.74.

3. Biennial Report. The Permittee shall comply with the biennial report requirements of 329 IAC 3.1-9 and 40 CFR 264.75.

L. CLOSURE

1. Performance Standard. The Permittee shall close the facility as required by 329 IAC 3.1-9 and 40 CFR 264.111 and in accordance with the Closure Plan, Attachment I, which is incorporated herein by reference.

2. Amendment to Closure Plan. The Permittee shall amend the Closure Plan in accordance with 329 IAC 3.1-9 and 40 CFR 264.112(c) whenever necessary, and whenever requested by the Commissioner in accordance with 40 CFR 264.112(c)(4).

3. Notification of Closure. Pursuant to 329 IAC 3.1-9 and 40 CFR 264.112(d) the Permittee shall notify the Commissioner in writing at least sixty (60) days prior to the date he expects to begin closure of a surface impoundment, waste pile, land treatment, or landfill unit, or final closure of a facility with such a unit. The Permittee must notify the Commissioner in writing at least forty-five (45) days prior to the date on which he expects to begin final closure of a facility with only treatment or storage tanks, container storage, or incinerator units to be closed.

4. Time Allowed for Closure. After receiving the final volume of hazardous waste, the Permittee shall treat or remove from the site all hazardous waste in accordance with the schedule specified in the Closure Plan, Attachment I. After receiving the final volume of hazardous waste, the Permittee shall complete closure activities in accordance with the schedule specified in the Closure Plan.

5. Disposal and/or Decontamination of Equipment. When closure is completed, the Permittee shall decontaminate and/or dispose of all facility equipment contaminated with hazardous waste as required by 329 IAC 3.1-9, 40 CFR 264.114 and the Closure Plan, Attachment I.

6. Certification of Closure. When closure is completed, the Permittee and an independent registered professional engineer shall certify to the Commissioner that the facility has been closed in accordance with the specifications in the Closure Plan as required by 329 IAC 3.1-9 and 40 CFR 264.115.

M. COST ESTIMATE FOR FACILITY CLOSURE The Permittee's closure cost estimate, prepared in accordance with 329 IAC 3.1-15-3, is specified in the Closure Plan, Attachment I.

1. When using the financial test or corporate guarantee, the Permittee must adjust the closure cost estimate for inflation within thirty (30) days after the close of the Permittee’s fiscal year and before the submission of updated information to the Commissioner, as required by 329 IAC 3.1-15-3(b).

2. The Permittee must revise the closure cost estimate whenever there is a change in the facility's closure plan as required by 329 IAC 3.1-15-3(c).

3. The Permittee must keep at the facility the latest closure cost estimate as required by 329 IAC 3.1-15-3(d).

N. FINANCIAL ASSURANCE FOR FACILITY CLOSURE The Permittee shall demonstrate continuous compliance with 329 IAC 3.1-15-4 by providing documentation of financial assurance when required, and as specified by 329 IAC 3.1-15-10, in at least the amount of the cost estimates required by Permit Condition II.M. Changes in financial assurance mechanisms must be approved by the Commissioner pursuant to 329 IAC 3.1-15-4.

O. INCAPACITY OF OWNERS OR OPERATORS, GUARANTORS, OR FINANCIAL INSTITUTIONS The Permittee shall comply with 329 IAC 3.1-15-9 whenever necessary.

P. LIABILITY REQUIREMENTS The Permittee shall demonstrate continuous compliance with the requirements of 329 IAC 3.1-15-8 and the documentation requirements of 329 IAC 3.1-15-10, including the requirements to have and maintain liability coverage for sudden and nonsudden accidental occurrences in the amount of at least $1 million per occurrence with an annual aggregate of at least $2 million for sudden accidental occurrences, and in the amount of at least $3 million per occurrence with an annual aggregate of at least $6 million for nonsudden accidental occurrences, exclusive of legal defense cost.

Q. LAND DISPOSAL RESTRICTIONS

1. The Permittee shall comply with all the applicable self-implementing requirements of 40 CFR Part 268 and all applicable land disposal requirements which become effective by federal statute.

2. The Permittee shall comply with the dilution prohibition requirements described in 40 CFR 268.3.

3. The Permittee shall comply with all testing, tracking, and recordkeeping requirements for treatment facilities described in 40 CFR 268.7.

4. The Permittee shall comply with all the applicable prohibitions on storage of restricted wastes specified in 40 CFR 268 Subpart E.

5. If the Permittee applies to the administrator of the EPA for an exemption from land disposal restrictions described in 329 IAC 3.1-12-2, the Permittee must submit copies of such request and all supporting documents to the commissioner. If the Permittee obtains an exemption from the administrator of the EPA, the Permittee must apply to the commissioner for concurrence that such an exemption is consistent with the policies outlined in IC 13.

III. AIR EMISSIONS STANDARDS

A. PROCESS VENTS

The Permittee does not operate any process vents subject to the requirements of 40 CFR Part 264, Subpart AA, regarding air emission standards.

B. EQUIPMENT LEAKS

The Permittee shall comply with all applicable requirements of 40 CFR Part 264, Subpart BB, regarding air emission standards for equipment. This equipment is also subject to regulations at 40 CFR Part 60, Part 61, or Part 63 of the Clean Air Act. The Permittee has elected to determine compliance with this subpart by documentation of compliance with the regulations at 40 CFR Part 60, Part 61, or Part 63 pursuant to the relevant provisions of the regulations at 40 Part 60, Part 61, or Part 63 rather than under 40 CFR 264.1064(m) as allowed by 40 CFR 264.1064(m). The documentation of compliance under regulations at 40 CFR Part 60, Part 61, or Part 63 shall be kept with or made readily available with the facility operating record.

C. TANKS, SURFACE IMPOUNDMENTS AND CONTAINERS

The Permittee has certified that each hazardous waste management unit that would otherwise be subject to Subpart CC is equipped with and operating air emission controls in accordance with the requirements of an applicable Clean Air Act regulation codified under 40 CFR Part 60, Part 61, or Part 63 as allowed by 40 CFR 264.1080(b)(7). The Permittee shall maintain documentation of compliance under those regulations for each hazardous waste management unit. That documentation shall be kept with, or made readily available with, the facility operating record. Maintenance of that documentation constitutes compliance with all applicable requirements of 40 CFR Part 264, Subpart CC for tanks and containers.

IV. CONTAINER STORAGE CONDITIONS

A. WASTE IDENTIFICATION

1. The Permittee may store a total volume of 49,500 gallons of waste not containing free liquids in containers at the facility. Wastes permitted for container storage are listed in Permit Condition VIII., and are subject to the terms of this permit.

2. The Permittee is prohibited from storing hazardous waste that is not identified in Permit Condition VIII.

B. UNIT LOCATION The container handling and storage unit is located in Building C10 as shown in the site plan in Attachment B.

C. CONDITION OF CONTAINERS If a container holding hazardous waste is not in good condition (e.g., appreciable rusting, apparent structural defects) or if it begins to leak, the Permittee shall transfer the hazardous waste from such container to a container that is in good condition or otherwise manage the waste in compliance with the conditions of this permit. (329 IAC 3.1-9 and 40 CFR 264.171)

D. COMPATIBILITY OF WASTE WITH CONTAINERS The Permittee shall assure that the ability of the container to contain the waste is not impaired as required by 329 IAC 3.1-9 and 40 CFR 264.172.

E. MANAGEMENT OF CONTAINERS

1. The Permittee shall manage containers as follows as required by 329 IAC 3.1-9 and 40 CFR 264.173.

   (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.

   (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

   (c) Containers of thirty (30) gallons or more must be stored so that they can be inspected for leaks and for deterioration caused by corrosion or other factors, without having to move the containers during the inspection and must have adequate aisle space between rows (approximately two and one-half feet (2 1/2)) to facilitate inspection.

2. (a) The Permittee shall be allowed to "stage" incoming containerized wastes in designated areas. Incoming waste shall be placed in permitted units within 3 operating days of entering the facility boundary (or contiguous property controlled by the Permittee) unless the Permittee rejects all or part of the shipment. In the case of rejected loads the Permittee shall comply with the requirements of 40 CFR 264.72. Operating day is defined as any 24 hour period during which at least a partial shift is worked by employees who process, treat, place into storage, or dispose of hazardous waste at the facility.

(b) Containerized waste being transferred from one permitted unit to another (such as from container storage to tank storage) shall remain outside of permitted units only for the minimum time necessary to move the containers and transfer the waste. In no instance shall this transfer period exceed 8 hours.

(c) The Permittee shall not have more than 49,500 gallons of containerized hazardous waste (excluding hazardous waste subject to the generator accumulation requirements) at the facility at any one time. All containers of waste at the facility shall be counted towards the permitted capacity including, but not limited to, containerized waste in trucks, in trailers, on the C10 loading docks, in permitted container storage units, and in the C10 permitted container processing areas. Hazardous wastes staged for placement in the permitted storage tanks do not count towards the permitted containerized hazardous waste capacity limit.

F. CONTAINMENT The Permittee shall construct, operate, and maintain the containment system in accordance with the requirements of 329 IAC 3.1-9 and 40 CFR 264.175 as specified in Process Information, Attachment D, which is incorporated herein by reference.

G. INSPECTION The Permittee shall inspect the container storage areas at least weekly, to detect leaking containers and deterioration of containers and the containment system, caused by corrosion or other factors, as required by 329 IAC 3.1-9 and 40 CFR 264.174.

H. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE The Permittee shall not locate containers holding ignitable or reactive waste within fifteen (15) meters (fifty (50) feet) of the facility's property line, as required by 329 IAC 3.1-9 and 40 CFR 264.176.

I. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTE

1. Prior to placing incompatible waste or incompatible waste and materials in the same container, the Permittee shall comply with 329 IAC 3.1-9 and 40 CFR 264.17(b) as specified in the Process Information, Attachment D.

2. The Permittee shall not place hazardous waste in an unwashed container that previously held an incompatible waste or materials.

3. The Permittee shall separate containers of incompatible wastes as indicated in the Process Information, Attachment D, as required by 329 IAC 3.1-9 and 40 CFR 264.177(c).

4. The Permittee must document compliance with Permit Condition IV.I.3. as required by 329 IAC 3.1-9 and 40 CFR 264.17(c) and place this documentation in the operating record (Permit Condition II.K.1.).

J. CLOSURE REQUIREMENTS

1. At closure, all hazardous waste and hazardous waste residues must be removed from the containment system. Remaining containers, liners, bases, and soil containing or contaminated with hazardous waste or hazardous waste residues must be decontaminated or removed, as required by 329 IAC 3.1-9 and 40 CFR 264.178, and in accordance with the Closure Plan contained in Attachment I.

2. At closure, as throughout the operating period, unless the Permittee can demonstrate in accordance with 329 IAC 3.1-9 and 40 CFR 261.3(d) that the solid waste removed from the containment system is not a hazardous waste, the Permittee becomes a generator of hazardous waste and must manage it in accordance with all applicable requirements of 329 IAC 3.1 and 40 CFR 262 through 266. (329 IAC 3.1-9 and 40 CFR 264.178)

3. Upon certification by the owner/operator and an independent registered professional engineer that part or all of the storage facility has been properly closed, those provisions of this permit which allow for the continued operation of the closed portion of the facility are terminated. The amount of wastes allowed to be stored is reduced to reflect the partial closure of this facility. Waste types which were only authorized for storage at the closed portion of the facility are deleted from this permit.

V. TANK STORAGE CONDITIONS

A. WASTE IDENTIFICATION

1. The Permittee may store a total volume of 1,105,076 gallons of hazardous waste in the following units. [This total includes waste (excluding waste subject to generator requirements) staged in containers prior to placement in one of the units listed below.] This capacity shall be reduced by the volume of any tank taken out of service for the time that each tank is out of service:

   Primary Waste Tank Farm: 145,146 gallons
   Secondary Waste Tank Farm: 959,930 gallons

2. The Permittee may treat a total volume of 6,000 gallons/day in tanks 1, 2, 3, 9, 10, and 19 in the Secondary Waste Tank Farm.

3. The Permittee is prohibited from storing or treating hazardous waste that is not identified in Permit Condition VIII.

B. LOCATION OF TANKS The tanks are located in the Primary and Secondary Waste Tank Farms, as shown in the site plan in Attachment B.

C. DESIGN OF TANKS The Permittee shall construct, operate, and maintain all tanks as required by either 329 IAC 3.1-9, 40 CFR 264.191, or 264.192, as specified in the Tank Storage Plan found in Attachment D, which is incorporated herein by reference.

D. GENERAL OPERATING REQUIREMENTS

1. The Permittee shall not place hazardous wastes in the tank system if they could cause the tank, its ancillary equipment, or a containment system to rupture, leak, corrode, or otherwise fail. (329 IAC 3.1-9, 40 CFR 264.194(a))

   Hazardous waste or treatment reagents must not be placed in a tank system if they could cause the tank system to rupture, leak, corrode, or otherwise fail within the projected life expectancy of the tank, to which the hazardous waste or treatment reagent is regularly and routinely exposed. The projected life expectancy is the time period in which the tank shell thickness is reduced to a point where it no longer meets industrial standards. The facility shall be able to document and demonstrate, upon inspection by Agency representatives, compliance with the following:

   The Permittee shall show compliance with 264.194(a) for tanks by maintaining minimum design shell and bottom plate thicknesses or other tank structural integrity maintenance mechanism based on accepted industrial tank standards such as American Petroleum Institute (API), American Society of Mechanical Engineers (ASME) and Underwriters Laboratory (UL). The facility shall show compliance by any of the following methods:

   a. Routine and systematic tank wall thickness testing utilizing industrial standards and methodology shall be conducted at a time interval of no more than five (5) years between each testing.

b. Valid corrosivity testing data confirming that the waste or reagents in the tank will not cause failure within the projected life, based on the projected maximum corrosion rate.

c. Any other method which is determined to be essentially equivalent to either of the above methods and is an accepted industrial practice.

Tanks that fail the test method utilized must be immediately removed from service and replaced, repaired, serviced, or reassessed as indicated in Attachment D, Section D-2b(1).

2. Primary Waste Tank Farm

a. The total normal venting capacity shall be at least the sum of the venting requirements for solvent movement and thermal effect. The total inbreathing (vacuum) venting capacity shall be 25 standard cubic feet of air per minute (scfm) and the total outbreathing (pressure) venting capacity shall be 152 scfm. The actual capacity of the vent must be determined using API Standard 2000.

b. The maximum input and output of the tank system shall not exceed 320 gallons per minute.

c. The information contained in Permit Conditions V.D.2.a and b is included solely to determine venting capacity for tank design. The Permittee is not required to monitor for nor demonstrate compliance with the information in Permit Conditions V.D.2.a and b. Furthermore, Permit Conditions V.D.2.a and b are tank design information subject to modification but are not enforceable except for calculating the venting capacity for tank design.

3. Secondary Waste Tank Farm

a. The total normal venting capacity shall be at least the sum of the venting requirements for solvent movement and thermal effect. The total inbreathing (vacuum) venting capacity shall be 137 scfm and the total outbreathing (pressure) venting capacity shall be 181 scfm. The actual capacity of the vent must be determined using API Standard 2000.

b. The maximum input and output of the tank system shall not exceed 215 gallons per minute.

c. The information contained in Permit Conditions V.D.3.a and b is included solely to determine venting capacity for tank design. The Permittee is not required to monitor for nor demonstrate compliance with the information in Permit Conditions V.D.3.a and b. Furthermore, Permit Conditions V.D.3.a and b are tank design information subject to modification but are not enforceable except for calculating the venting capacity for tank design.

4. The Permittee shall prevent spills and overflows from the tank or containment systems using the methods described in Procedures to Prevent Hazards, Attachment F. (329 IAC 3.1-9, 40 CFR 264.194(b))

E. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

1. The Permittee shall not place ignitable or reactive waste in a tank system or in the secondary containment system, unless the procedures described in Attachment D are followed, as required by 329 IAC 3.1-9 and 40 CFR 264.198(a).

2. The Permittee shall document compliance with Permit Condition V.E.1. as required by 329 IAC 3.1-9 and 40 CFR 264.17(c) and place this documentation in the operating record (Permit Condition II.K.1.).

3. The Permittee shall comply with the requirements for the maintenance of protective distances between the waste management area and any public ways, streets, alleys, or an adjoining property line that can be built upon, as required in Tables 2-1 through 2-6 of the National Fire Protection Association's Flammable and Combustible Liquids Code. (329 IAC 3.1-9, 40 CFR 264.198(b))

F. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

1. The Permittee shall not place incompatible wastes in the same tank system or place hazardous waste in a tank system that previously held an incompatible waste or material unless the procedures specified in Attachment D are followed, as required by 329 IAC 3.1-9, and 40 CFR 264.199(b).

2. The Permittee shall document compliance with Permit Condition V.F.1. as required by 329 IAC 3.1-9 and 40 CFR 264.17(c) and place this documentation in the operating record (Permit Condition II.K.1.).

G. CONTAINMENT AND DETECTION OF RELEASES

1. In order to prevent the release of hazardous waste or hazardous constituents to the environment, the Permittee shall provide secondary containment that meets the requirements of 329 IAC 3.1-9 and 40 CFR 264.193.

2. In the event of a leak or a spill from the tank system, from a secondary containment system, or if a system becomes unfit for continued use, the Permittee shall (pursuant to 329 IAC 3.1-9 and 40 CFR 264.196) remove the system from service immediately and complete the following actions:

   a. Stop the flow of hazardous waste into the system and inspect the system to determine the cause of the release.

   b. Remove waste from the system within 24 hours of the detection of the leak to prevent further release and to allow inspection and repair of the system. If the Permittee finds that it will be impossible to meet this time period, the Permittee shall notify the Commissioner and demonstrate that a longer time period is required.

If the collected material is a hazardous waste, it must be managed in accordance with all applicable requirements. The Permittee shall note that if the collected material is discharged through a point source to U.S. waters or to a POTW, it is subject to requirements of the Clean Water Act. If the collected material is released to the environment, it may be subject to reporting under 40 CFR Part 302.

c. Contain visible releases to the environment. The Permittee shall immediately conduct a visual inspection of all releases to the environment and based on that inspection: (1) prevent further migration of the leak or spill to soils or surface water and (2) remove and properly dispose of any visible contamination of the soil or surface water.

d. Close the system in accordance with the Closure Plan, Permit Attachment I, unless the following actions are taken:

i. For a release caused by a spill that has not damaged the integrity of the system, the Permittee shall remove the released waste and make any necessary repairs to fully restore integrity of the system before returning the tank system to service.

ii. For a release caused by a leak from the primary tank system to the secondary containment system, the Permittee shall repair the primary system prior to returning it to service.

e. For all major repairs to eliminate leaks or restore the integrity of the tank system, the Permittee must obtain a certification by an independent, qualified, registered professional engineer that the repaired system is capable of handling hazardous wastes without release for the intended life of the system before returning the system to service. Examples of major repairs are: installation of an internal liner, repair of a ruptured tank, or repair or replacement of a secondary containment vault.

H. INSPECTION SCHEDULES AND PROCEDURES

1. The Permittee shall inspect the tank system, in accordance with Permit Attachment F, and shall complete the items in Permit Conditions V.H.2. and 3. as part of those inspections.

2. The Permittee shall inspect the overfill controls, in accordance with the schedule in Permit Attachment F. (329 IAC 3.1-9, 40 CFR 264.195(a))

3. The Permittee shall inspect the following components of the tank system once each operating day: (329 IAC 3.1-9, 40 CFR 264.195(b))

a. Aboveground portions of the tank system, if any, to detect corrosion or releases of waste;

b. Data gathered from monitoring equipment (e.g., pressure or temperature gauges) to ensure that the tank system is being operated according to its design; and

c. Construction materials and the area immediately surrounding the externally accessible portion of the tank system, including the secondary containment system, to detect erosion or signs of releases of hazardous waste (e.g., wet spots).

4. The Permittee shall document compliance with Permit Conditions V.H.1. through 3. and place this documentation in the operating record for the facility. (329 IAC 3.1-9, 40 CFR 264.195(d))

I. RECORD KEEPING AND REPORTING

1. The Permittee shall report to the Commissioner, within twenty-four (24) hours of detection, when a leak or spill occurs from the tank system or secondary containment system to the environment. (329 IAC 3.1-9, 40 CFR 264.196(1)). A leak or spill of one pound or less of hazardous waste, that is immediately contained and cleaned-up, need not be reported. (329 IAC 3.1-9, 40 CFR 264.196(d)(2)). If the Permittee has reported the release pursuant to 40 CFR Part 302, this report satisfies the requirements of this Permit Condition. (329 IAC 3.1-9, 40 CFR 264.196(d)(1))

2. Within thirty (30) days of detecting a release to the environment from the tank system or secondary containment system, the Permittee shall report the following information to the Commissioner: (329 IAC 3.1-9, 40 CFR 264.196(d)(3))

a. Likely route of migration of the release;

b. Characteristics of the surrounding soil (including soil composition, geology, hydrogeology, and climate);

c. Results of any monitoring or sampling conducted in connection with the release. If the Permittee finds it will be impossible to meet this time period, the Permittee should provide the Commissioner with a schedule of when the results will be available. This schedule must be provided before the required thirty (30)-day submittal period expires;

d. Proximity of downgradient drinking water, surface water, and populated areas; and

e. Description of response actions taken or planned.

3. The Permittee shall submit to the Commissioner all certifications of major repairs to correct leaks within seven (7) days from returning the tank system to use. (329 IAC 3.1-9, 40 CFR 264.196(f))

J. CLOSURE REQUIREMENTS

1. At closure of a tank system, the Permittee must remove or decontaminate all waste residues, contaminated containment system components (liners, etc.), contaminated soils, structures, and equipment contaminated with waste, and manage them as hazardous waste, unless 329 IAC 3.1-6 and 40 CFR 261.3(d) applies. The procedures specified in the Closure Plan, Attachment I shall be followed. (329 IAC 3.1-9, 40 CFR 264.197(a))

2. At closure or replacement of a tank or tanks within the tank system, the Permittee must remove or decontaminate all waste residues and contaminated containment system components (liners, etc.), and manage them as hazardous waste unless 329 IAC 3.1-6 and 40 CFR 261.3(d) applies. The decontamination procedures in the Closure Plan, Attachment I shall be followed.

3. If the Permittee demonstrates that not all contaminated soils can be practicably removed or decontaminated as required in 329 IAC 3.1-9 and 40 CFR 264.197(a), then the Permittee must close the tank system and perform post-closure care in accordance with the closure and post-closure care requirements that apply to landfills (329 IAC 3.1-9, 40 CFR 264.310). In addition, for the purposes of closure, post-closure and financial responsibility, such a tank system is then considered to be a landfill and the owner or operator must meet all of the requirements for landfills specified in 329 IAC 3.1-9, 329 IAC 3.1-15 and 40 CFR 264 Subpart G. (329 IAC 3.1-9, 40 CFR 264.197(b))

4. Upon certification by the owner/operator and an independent registered professional engineer that part or all of this tank storage facility has been properly closed, those provisions of this permit which allow for the continued operation of the closed portion of the facility are terminated. The amount of wastes allowed to be stored is reduced to reflect the partial closure of this facility. Waste types which were only authorized for tank storage at the closed portion of the facility are deleted from this Permit.

VI. INCINERATOR CONDITIONS

A. PERFORMANCE STANDARD The Permittee shall operate and maintain the Trane Liquid Incinerator system, Thermal Oxidizer 3 (TO3), in accordance with the Hazardous Waste Combustor MACT standards pursuant to 40 CFR 63 Subpart EEE. The Permittee shall incinerate only hazardous wastes which have been analyzed in accordance with the feed stream analysis plan required by 40 CFR 63 Subpart EEE. No modification to the incinerator and its air pollution control equipment or to feed stream parameter limits shall be made which would affect the achievement of the performance standards in 40 CFR 63 Subpart EEE, or which may affect protection of human health and the environment, without first obtaining written approval from the Commissioner. Replacement of equipment with equivalent equipment is not considered a modification. Waste treatment in incinerator TO3 shall be in accordance with the Notification of Compliance (NOC), dated February 28, 2005.

Startup, Shutdown and Malfunction: In order to minimize emissions during start-up, shutdown and malfunctions the incinerator shall meet the following conditions:

1. During startup and shutdown, waste shall not be introduced into the incinerator unless the incinerator is operating within the conditions specified in its Notification of Compliance pursuant to 40 CFR 63 Subpart EEE.

2. Waste feed must cease when changes in waste feed or operating conditions exceed the conditions specified in the Notification of Compliance pursuant to 40 CFR 63 Subpart EEE.

B. UNIT LOCATION The incinerator facility is located at Building C10 as shown in the site plan in Attachment B.

C. LIMITATION ON WASTES The Permittee shall incinerate only hazardous wastes which have been approved pursuant to 40 CFR 63 Subpart EEE, including those identified in Permit Condition VIII.

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D. The Permittee shall prevent fugitive emissions from the incinerator unit by ensuring that there are no leaks through which fugitive emissions may exit, in accordance with 40 CFR 63 Subpart EEE.

VII. CORRECTIVE ACTION CONDITIONS

A. STANDARD REQUIREMENTS

1. Corrective Action At The Facility

In accordance with Section 3004(u) of RCRA (Indiana Code 13-22-2-5) and the regulations promulgated pursuant thereto, the Permittee must institute corrective action as necessary to protect human health and the environment for all releases of hazardous waste(s) or hazardous constituent(s) from any solid waste management unit (SWMU) or area of concern (AOC) at the facility, regardless of the time the waste was placed in such units. The Permittee shall perform all such work in a manner consistent with, at a minimum, the Risk Integrated System of Closure (RISC) Technical Guide and Chapter 2 of the RISC User's Guide. The Corrective Action Scope of Work referred to in the RISC User's Guide is included in Attachment J of this permit.

The Permittee may use the principles and procedures set forth in IDEM's RISC Technical Resource Guidance Document and User's Guide, dated February 2001, and all revisions and additions thereto, or other risk-based methodologies approved by IDEM's Office of Land Quality Permits Branch, as the basis for selecting risk-based endpoints that will be used for the investigations, studies, interim measures, and corrective measures under the permit.

2. Corrective Action Beyond The Facility Boundary

In accordance with Section 3004(v) of RCRA (Indiana Code 13-22-2-5 and 13-22-2-7) and the regulations promulgated pursuant thereto, the Permittee must implement corrective action(s) beyond the facility property boundary, where necessary to protect human health and the environment, unless the Permittee demonstrates to the IDEM's satisfaction that, despite the Permittee's best efforts, the Permittee was unable to obtain the necessary permission to undertake such actions. The Permittee is not relieved of all responsibility to clean up a release that has migrated beyond the facility boundary where off-site access is denied. On-site measures to address such releases will be addressed under the RCRA Facility Investigation, Corrective Measures Study, and Corrective Measures Implementation phases, as determined to be necessary on a case-by-case basis.

3. Notification

a. Field Activities

The Permittee shall notify IDEM at least seven (7) days before engaging in any field activities, such as well drilling, installation of equipment, or sampling. At the request of IDEM, the Permittee shall provide IDEM or its authorized representative split samples of all samples collected by the Permittee pursuant to this permit. Similarly, at the request of the Permittee, IDEM shall allow the Permittee or its authorized representatives to take split or duplicate samples of all samples collected by IDEM under this permit.

b. Submittals

Four (4) copies of all reports, plans, and other submissions relating to or required by this permit shall be sent to:

Indiana Department of Environmental Management
OLQ Permits Branch
100 N. Senate Avenue
Indianapolis, IN 46204
Attention: Chief, Hazardous Waste Permit Section

B. IDENTIFICATION OF SWMUs

1. Definitions

a. "Area of concern" (AOC) means a unit or area that does not meet the definition of a solid waste management unit (SWMU) but that merits further investigation to determine the presence or absence of releases.

b. "Facility" means all contiguous property under the control of the owner/operator of a facility seeking a permit under Subtitle C.

c. "Hazardous Waste" is defined in IC-13-11-2-99, IAC 3.1-6-2, 40CFR260, and the RISC User's Guide, Chapter 2.

d. "Hazardous constituent" means any constituent identified in appendix VIII of 40 CFR Part 261, or any constituent meeting the definition of Contaminant in IC 13-11-2-42.

e. "Release" means any spilling, leaking, pouring, emitting, emptying, discharging, injecting, pumping, escaping, leaching, dumping, or disposing of hazardous wastes or hazardous constituents into the environment, including the abandonment or discarding of barrels, containers, and other closed receptacles containing hazardous wastes or hazardous constituents.

f. "Solid waste" is defined in 40 CFR 261.2 and IC 13-11-2-205.

g. "Solid Waste Management Unit (SWMU)" means any discernable existing or historical unit (permitted or unpermitted) at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. Such units include any area at a facility where hazardous constituents have been routinely and systematically released.

2. Coordination with U.S. EPA

Many facilities, such as the Lilly Clinton site, started the RCRA Corrective Action process under U.S. EPA oversight. In October 1998, the State of Indiana was authorized by U.S. EPA to administer the RCRA Corrective Action program, and the IDEM has gradually assumed the lead at those sites. Generally, this transfer takes place when the IDEM issues a permit renewal to the facility, and the U.S. EPA and IDEM coordinate the

transfer of responsibilities to minimize disruption to the investigation and remediation process. Lilly and its contractors are currently working on a five-year demonstration to show that the contaminant plume in the groundwater is stable or shrinking and will not migrate off-site. The end of the five-year demonstration will be in the summer of 2007. The U.S. EPA and IDEM agree that the appropriate time to complete transfer of responsibility for RCRA Corrective Action oversight would be at the end of this plume stability demonstration.

3. SWMUs and AOCs Requiring Corrective Action

A table with information about the SWMUs and AOCs identified at this facility is included in Attachment J, along with a map showing their locations. Based on the information contained in the administrative record, corrective action is not required at any of the SWMUs and AOCs other than successful completion of the plume stability demonstration discussed in Permit Condition VII.B.2..

C. NEWLY IDENTIFIED SWMUs OR RELEASES

1. Notification Requirements

The Permittee shall notify the IDEM, within thirty (30) days of discovery, of the following information requirements for any new SWMU identified at the facility, in accordance with 329 IAC 3.1-13-1 and 40 CFR 270.14(d):

a. the location of the unit on the site topographic map;

b. designation of the type of unit;

c. general dimensions and structural description (supply any available drawings);

d. when the unit was operated; and

e. specifications of all waste(s) that have been managed at the unit.

2. Release Information

The Permittee must submit to the IDEM, within thirty (30) day of discovery, all available information pertaining to any release of hazardous waste(s) or hazardous constituent(s) from any new or existing SWMU.

3. Corrective Action

The IDEM will review the information provided in Permit Condition VII.C. 1 and 2 above, and may as necessary, require further investigations or corrective measures. The Permittee shall submit a written RFI Workplan to the Section Chief of the Hazardous Waste Permit Section in accordance with Permit Condition VII.D.2.

D. CORRECTIVE ACTION ACTIVITIES

The major tasks and required submittal dates are shown below. Additional tasks and associated submittal dates may also be specified in the Corrective Action Activities Schedule (Permit Condition VII.F.). At the time of issuance of this permit, there are no known corrective action concerns other than completion of the plume stability demonstration. The following requirements would apply to newly identified SWMUs or AOCs, or to new or newly discovered releases from existing SWMUs or AOCs.

1. Interim Measures (IM)

a. The Permittee may undertake interim measure activities to prevent or minimize the further spread of contamination while long-term remedies are pursued. An IM Workplan shall be submitted to the IDEM for approval before the Permittee initiates any remedial activity. The interim measure(s) must be capable of being integrated into any long-term solution at the facility.

b. In the event the Permittee identifies an immediate threat to human health or the environment, the Permittee shall immediately notify the Section Chief orally and in writing within seven (7) days summarizing the immediacy and magnitude of the potential threat to human health or the environment.

Upon receiving this information, the IDEM will determine if an IM Workplan is necessary. If one is necessary, the Section Chief will send a notice to the Permittee requiring the submission of an IM Workplan. Within twenty-one (21) days after receiving this notice, the Permittee shall submit to the Section Chief a workplan for approval that identifies the interim measure(s).

The workplan should be consistent with and integrated into any long-term solution at the facility. In addition, the following schedule shall be initiated:

i. Within five (5) days, the Permittee shall provide an alternate water supply to parties that have a contaminated water supply well;

ii. Within seven (7) days, the Permittee shall submit a report to the Section Chief detailing the activity pursued and a plan for further activity;

iii. Within seven (7) days following the Section Chief's transmission of comments, the Permittee shall revise the plan in accordance with the comments; and

iv. Within seven (7) days following the IDEM's approval or modification of the plan, the Permittee shall implement the revised plan in accordance with the schedule therein.

2. RCRA Facility Investigation (RFI)

The Permittee shall conduct an RFI to thoroughly evaluate the nature and extent of the release of hazardous waste(s) and hazardous constituent(s) from all SWMUs and AOCs identified as requiring an RFI. It may be appropriate to follow the screening steps outlined in the RISC guidance as an initial step in the RFI process.

a. RFI Workplan

The Permittee shall submit a written RFI Workplan to the Section Chief within ninety (90) days after written notification by the Section Chief that further investigation is necessary.

The IDEM will approve, modify and approve, or disapprove and provide comments on the workplan in writing to the Permittee. Within sixty (60) days of receipt of such comments, the Permittee shall provide a response to the IDEM's comments.

b. RFI Implementation

Within thirty (30) days of the IDEM's written approval of the RFI Workplan, the Permittee shall implement the workplan according to the terms and schedule contained therein.

c. RFI Report

Within ninety (90) days after the completion of the RFI, the Permittee shall submit an RFI Report to the Section Chief. The report shall describe the procedures, methods, and results of the RFI. The report must contain adequate information to support further corrective action decisions at the facility. After the Permittee submits the RFI Report, the IDEM shall either approve or disapprove the report in writing. If the IDEM disapproves the report, the Section Chief shall notify the Permittee in writing of the deficiencies. The Permittee has thirty (30) days after receipt of the IDEM's comments to submit a revised RFI Report to the Section Chief.

3. Determination of No Further Action

a. Permit Modification

After completion of the RFI, and based on its results and other relevant information, the Permittee may submit an application to the Section Chief for a permit modification under 40 CFR 270.42 to terminate the corrective action tasks of the Corrective Action Activities Schedule for all or a portion of the facility. Tasks identified in Permit Condition VII.F. for the SWMUs, solid waste management areas (a group of SWMUs in an area to be addressed as a single unit), and/or the AOCs identified in the modification (for a determination of no further action) shall be stayed pending a decision by IDEM. This permit

modification must demonstrate that there are no releases of hazardous waste(s), including hazardous constituents, from SWMUs or AOCs at the facility that pose a threat to human health or the environment.

If, based upon review of the Permittee's request for a permit modification, the results of the completed RFI, and other information, IDEM determines that releases or suspected releases that were investigated either are nonexistent or do not pose a threat to human health or the environment, IDEM will grant the requested modification.

b. Further Investigations

A determination of no further action shall not preclude the IDEM from requiring further investigations, studies, or remediation at a later date, if new information or subsequent analysis indicates that a release or likelihood of a release from a SWMU or AOC at the facility is likely to pose a threat to human health or the environment. In such a case, the IDEM shall initiate a modification to the Corrective Action Activities Schedule to rescind the determination made in accordance with Permit Condition VII.D.3.a. Additionally, the IDEM may determine that there is insufficient information on which to base a determination, and may require the Permittee to perform additional investigations as needed to generate the needed information.

4. Corrective Measures Study (CMS) and Remedy Selection

If the IDEM determines, based on the results of the RFI and other relevant information, that corrective measures are necessary, the Section Chief will notify the Permittee in writing that the Permittee shall conduct a CMS. The purpose of the CMS is to develop and evaluate the corrective action alternative(s) that will satisfy the performance objectives specified by the IDEM. The CMS shall be conducted within sixty (60) days of notification by the Section Chief that the CMS is required. This period of time may be extended by the Section Chief if necessary to adequately complete the CMS. The major tasks and required submittal dates are shown below. Additional tasks and associated submittal dates may also be specified in the Corrective Action Activities Schedule (Permit Condition VII.F.). Presumptive remedies may be an appropriate alternative to a Corrective Measures Study.

a. CMS Report

Within sixty (60) days after the completion of the CMS, the Permittee shall submit a CMS Report to the Section Chief. The CMS Report shall summarize the results of the investigations for each remedy studied and must include an evaluation of each remedial alternative. After the Permittee submits the CMS Report, the IDEM shall either approve, modify and approve, or disapprove the report. If the IDEM disapproves the report, the Section Chief shall notify the Permittee in writing of the deficiencies. The Permittee has thirty (30) days after receipt of the IDEM’s comments to submit a revised CMS Report to the Section Chief. The CMS Report, as approved, becomes an enforceable condition of this permit.

b. CMS Remedy Selection

The IDEM will select a corrective measure for implementation based on the following factors. The corrective measure selected for implementation must: (1) be protective of human health and the environment; (2) attain media cleanup standards; (3) control the source(s) of releases so as to reduce or eliminate further releases of hazardous waste(s) (including hazardous constituent(s)); (4) minimize the transfer of contamination from one environmental medium to another; and (5) comply with all applicable standards for management of wastes.

If two or more of the corrective measures studied meet the threshold criteria set out above, the IDEM will choose among alternatives for Corrective Measures Implementation by considering remedy selection factors including: (1) long-term reliability and effectiveness; (2) the degree to which the corrective measure will reduce the toxicity, mobility or volume; (3) the corrective measure's short-term effectiveness; (4) the corrective measure's implementability; and (5) the relative cost associated with the alternative. In selecting the corrective measure(s), the IDEM may also consider such other factors as may be presented by site-specific conditions.

5. Permit Modification

Within thirty (30) days of IDEM's selection of a corrective measure, IDEM or the Permittee will initiate a permit modification, pursuant to 40 CFR 270.41 or 40 CFR 270.42, respectively, for the implementation of the corrective measure(s) selected.

6. Corrective Measures Implementation (CMI)

a. If the corrective measure(s) recommended in the Corrective Measures Study Report is (are) not the corrective measure(s) selected by IDEM after consideration of public comments, the Section Chief shall inform the Permittee in writing of the reasons for such decision. Thirty (30) days after the effective date of the permit modification, the Permittee shall implement the corrective measure(s).

b. Financial Assurance

As part of the permit modification of this permit to incorporate the CMI, the Permittee shall provide financial assurance in the amount specified by the IDEM for necessary corrective action activities as required by 40 CFR 264.101(b) and (c).

7. Incorporation of plans and reports

All approved plans and reports prepared for this permit shall be incorporated into this permit on the date the Section Chief or his/her designee approves such plan or report.

E. DISPUTE RESOLUTION

1. If IDEM disapproves or modifies and approves any submission required by Permit Condition VII. of the permit, IDEM shall provide the Permittee with a written notice setting forth the reasons for the disapproval or modification and approval.

2. If the Permittee disagrees, in whole or in part, with any written decision concerning IDEM's disapproval or modification and approval of any submission required by Permit Condition VII. of the permit, the Permittee shall notify IDEM of the dispute. The Permittee and IDEM shall informally, and in good faith, endeavor to resolve the dispute.

3. If the Permittee and IDEM cannot resolve the dispute informally, the Permittee may pursue the matter formally by submitting a written statement of position to the Commissioner or his/her designee, within twenty-eight (28) days of receipt of IDEM's written disapproval or modification and approval. The Permittee's statement of position shall set forth the specific matters in dispute, the position that the Permittee asserts should be adopted as consistent with the requirements of the permit, the basis for the Permittee's position, and shall include any supporting documentation. If the Permittee fails to follow any of the requirements contained in this paragraph, then it shall have waived its right to further consideration of the disputed issue.

4. IDEM and the Permittee shall have an additional fourteen (14) days from the date of the Commissioner’s receipt of the Permittee's statement of position to meet or confer to attempt to resolve the dispute. This time period may be extended by IDEM for good cause. If agreement is reached, the Permittee shall submit a revised submission, if necessary, and shall implement the submission in accordance with such agreement.

5. If the IDEM and the Permittee are not able to reach agreement within the 14-day period, or such longer period corresponding to IDEM’s extension for good cause, the Permittee may submit any additional written arguments and evidence not previously submitted, or further explain any arguments or evidence previously submitted, to the Commissioner. Based on the record, the Commissioner, or delegate, will thereafter issue a written decision that shall include a response to the Permittee’s arguments and evidence. This written decision will constitute final agency action.

6. Notwithstanding the invocation of this dispute resolution procedure, the Permittee shall proceed to take any action required by those portions of the submission and of the permit that IDEM determines are not substantially affected by the dispute. The activity schedule for those portions of the submission and of the permit which are substantially affected by the dispute shall be suspended during the period of dispute resolution.

F. CORRECTIVE ACTION ACTIVITIES SCHEDULE

	Activity	Due Date
1.	IM Workplan	21 days after notice by the Section Chief
2.	RFI Workplan	90 days after notification by the Section Chief.
3.	Notification of newly identified SWMUs	30 days after discovery
4.	RFI Workplan for newly identified SWMUs	90 days after receipt of Section Chief's notification
5.	RFI Workplan modification	60 days after receipt of Section Chief's comments
6.	RFI Implementation	30 days after RFI Workplan approved
7.	RFI Report	90 days after completion of RFI
8.	RFI Report Modification	30 days after receipt of Section Chief's comments
9.	Progress Reports on Tasks I through IV (See Corrective Action Scope of Work)	Quarterly, on the tenth day of January, April, July, and October of each year after effective date of permit
10.	CMS Report	60 days after receipt of Section Chief's notification
11.	CMS Report modification	30 days after receipt of Section Chief's comments
12.	Permit Modification for Corrective Measure Implementation	30 days after receipt of Section Chief's notification (Modification may be a Class 1, 2, or 3 at Section Chief's discretion)
13.	CMI Program Plan	30 days after effective date of permit modification
14.	CMI Program Plan Modification	30 days after receipt of Section Chief's comments

15	CMI Reports	Quarterly until construction of corrective measure is complete
16.	CMI Report Modification	30 days after receipt of Section Chief's comments
17.	Operation and Maintenance Progress Reports	Quarterly, on the tenth day of January, April, July, and October of each year after effective date of permit

VII. PERMITTED HAZARDOUS WASTE CODES

EPA Hazardous Waste Number	Description Hazardous Constituents	Basis For Hazardous Designation	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
D001	Ignitable waste	Flashpoint less than 60°C (140°F) 40 CFR 261.21	x	x	x
D002	Corrosive waste	pH less than or equal to 2 or greater than or equal to 12.5 40 CFR 261.22	x	x [3]	
D003	Reactive waste	Characteristic of reactivity as defined in 40 CFR 261.23	x		
D004	Arsenic	Toxicity Characteristic	x		
D005	Barium	Toxicity Characteristic	x		
D006	Cadmium	Toxicity Characteristic	x		
D007	Chromium	Toxicity Characteristic	x		
D008	Lead	Toxicity Characteristic	x		
D009	Mercury	Toxicity Characteristic	x		
D010	Selenium	Toxicity Characteristic	x		
D011	Silver	Toxicity Characteristic	x		
D012	Endrin	Toxicity Characteristic	x		
D013	Lindane	Toxicity Characteristic	x		
D014	Methoxychlor	Toxicity Characteristic	x		
D015	Toxaphene	Toxicity Characteristic	x		
D016	2,4-D	Toxicity Characteristic	x		
D017	2,4,5-TP (Silvex)	Toxicity Characteristic	x		
D018	Benzene	Toxicity Characteristic	x	x	x
D019	Carbon tetrachloride	Toxicity Characteristic	x	x	x
D020	Chlordane	Toxicity Characteristic	x		

EPA Hazardous Waste Number	Description Hazardous Constituents	Basis For Hazardous Designation	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
D021	Chlorobenzene	Toxicity Characteristic	x	x	x
D022	Chloroform	Toxicity Characteristic	x	x	x
D023	O-Cresol	Toxicity Characteristic	x	x	x
D024	m-Cresol	Toxicity Characteristic	x	x	x
D025	p-Cresol	Toxicity Characteristic	x	x	x
D026	Cresol	Toxicity Characteristic	x	x	x
D027	1,4-Dichlorobenzene	Toxicity Characteristic	x	x	x
D028	1,2-Dichloroethane	Toxicity Characteristic	x	x	x
D029	1,1-Dichloroethylene	Toxicity Characteristic	x	x	x
D030	2,4-Dinitrotoluene	Toxicity Characteristic	x	x	x
D031	Heptachlor (and its epoxide)	Toxicity Characteristic	x	x	x
D032	Hexachlorobenzene	Toxicity Characteristic	x	x	x
D033	Hexachlorobutadiene	Toxicity Characteristic	x	x	x
D034	Hexachloroethane	Toxicity Characteristic	x		
D035	Methyl ethyl ketone	Toxicity Characteristic	x	x	x
D036	Nitrobenzene	Toxicity Characteristic	x	x	x
D037	Pentrachlorophenol	Toxicity Characteristic	x		
D038	Pyridine	Toxicity Characteristic	x	x	x
D039	Tetrachloroethylene	Toxicity Characteristic	x	x	x
D040	Trichloroethylene	Toxicity Characteristic	x	x	x
D041	2,4,5-Trichlorophenol	Toxicity Characteristic	x		
D042	2,4,6-Trichlorophenol	Toxicity Characteristic	x		
D043	Vinyl chloride	Toxicity Characteristic	x	x	x

EPA Hazardous Waste Number	Description Hazardous Constituents	Basis For Hazardous Designation	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
F002	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	Waste contains listed toxic solvents.	x	x	x
F003	The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of the above those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	Waste contains listed ignitable solvents	x	x	x
F004	The following spent non-halogenated solvents: cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of those spent solvents and spent solvent mixtures.	Waste contains listed toxic solvents	x	x	x

EPA Hazardous Waste Number	Description Hazardous Constituents	Basis For Hazardous Designation	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
F005	The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, and F004; and still bottoms from the recovery of those spent solvents and spent solvent mixtures.	Waste contains listed toxic and ignitable solvents	x	x	x

EPA Hazardous Waste Number	Chemical Substance	CAS Number	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
P001	Warfarin & salts	81-81-2	x		
P002	1-Acetyl-2-thiourea	591-08-2	x		
P003	Acrolein	107-02-8	x		
P004	Aldrin	309-00-2	x		
P005	Allyl alcohol	107-18-6	x		
P006	Aluminum phosphide (R,T)	20859-73-8	x		
P007	5-(Aminomethyl)-3-isoxazolol	2763-96-4	x		
P008	4-Aminopyridine	504-24-5	x		
P009	Ammonium Picrate	131-74-8	x		
P010	Arsenic Acid H_3AsO_4	7778-39-4	x		
P011	Arsenic pentoxide	1303-28-2	x		
P013	Barium cyanide	542-62-1	x		
P014	Thiophenol	108-98-5	x		
P015	Beryllium	7440-41-7	x		
P016	Dichloromethyl ether	542-88-1	x		
P017	Bromoacetone	598-31-2	x		
P018	Brucine	357-57-3	x		
P020	Dinoseb	88-85-7	x		
P021	Calcium cyanide	592-01-8	x		
P022	Carbon disulfide	75-15-0	x		
P023	Chloroacetaldehyde	107-20-0	x		
P024	p-Chloroaniline	106-47-8	x		
P026	1-(o-Chlorophenyl) thiourea	5344-82-1	x		
P027	3-Chloropropionitrile	542-76-7	x		
P028	Benzyl chloride	100-44-7	x		
P029	Copper cyanide	544-92-3	x		
P030	Cyanides (soluble cyanide salts), not otherwise specified	.....	x		
P031	Cyanogen	460-19-5	x		
P033	Cyanogen chloride	506-77-4	x		
P034	2-Cyclohexyl-4,6-dinitrophenol	131-89-5	x		
P036	Dichlorophenylarsine	696-28-6	x		
P037	Dieldrin	60-57-1	x		
P038	Diethylarsine	692-42-2	x		
P039	Disulfoton	298-04-4	x		
P040	0,0-Diethyl 0-pyrazinyl phosphorothioate	297-97-2	x		
P041	Diethyl-p-nitro phenyl phosphate	311-45-5	x		
P042	Epinephrine	51-43-4	x		
P043	Diisopropylfluorophosphate (DFP)	55-91-4	x		
P044	Dimethoate	60-51-5	x		
P045	Thiofanox	39196-18-4	x		
P046	alpha, alpha-Dimethylphenethylamine	122-09-8	x		
P047	4,6-Dinitro-o-cresol and salts	534-52-1	x		
P048	2,4-Dinitrophenol	51-28-5	x		

EPA Hazardous Waste Number	Chemical Substance	CAS Number	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
P049	Dithiobiuret	541-53-7	x		
P050	Endosulfan	115-29-7	x		
P051	Endrin, & metabolites	72-20-8	x		
P054	Ethyleneimine	151-56-4	x		
P056	Fluorine	7782-41-4	x		
P057	Fluoroacetamide	640-19-7	x		
P058	Fluoroacetic acid, sodium salt	62-74-8	x		
P059	Heptachlor	76-44-8	x		
P060	Isodrin	465-73-6	x		
P062	Hexaethylteraphosphate	757-58-4	x		
P063	Hydrogen cyanide	74-90-8	x		
P064	Methyl isocyanate	624-83-9	x		
P065	Mercury fulminate (R,T)	628-86-4	x		
P066	Methomyl	16752-77-5	x		
P067	1,2-Propylenimine	75-55-8	x		
P068	Methyl hydrazine	60-34-4	x		
P069	2-Methlyllactonitrile	75-86-5	x		
P070	Propanal, 2-methyl-2-(methylthio)-O-[(methylamino)carbonyl] oxime	116-06-3	x		
P072	alpha-Naphthylthiourea	86-88-4	x		
P073	Nickel carbonyl	13463-39-3	x		
P074	Nickel cyanide	557-19-7	x		
P075	Nicotine and salts	54-11-5	x		
P076	Nitric Oxide	10102-43-9	x		
P077	p-Nitroaniline	100-01-6	x		
P078	Nitrogen dioxide	10102-44-0	x		
P081	Nitroglycerin ®	55-63-0	x		
P082	N-Nitrosodimethylamine	62-75-9	x		
P084	N-Nitrosomethylvinylamine	4549-40-0	x		
P085	Octamethlypyrophosphoramide	152-16-9	x		
P087	Osmium tetroxide	20816-12-0	x		
P088	Endothall	145-73-3	x		
P092	Phenylmercury acetate	62-38-4	x		
P093	Phenylthiourea	103-85-5	x		
P094	Phorate	298-02-2	x		
P095	Phosgene	75-44-5	x		
P096	Phosphine	7803-51-2	x		
P097	Famphur	52-85-7	x		
P098	Potassium cyanide K(CN)	151-50-8	x		
P099	Potassium silver cyanide	506-61-6	x		
P101	Ethyl cyanide	107-12-0	x		
P102	Propargyl alcohol	107-19-7	x		
P103	Selenourea	630-10-4	x		
P104	Silver cyanide	506-64-9	x		
P105	Sodium azide	26628-22-8	x		
P106	Sodium cyanide	143-33-9	x		

EPA Hazardous Waste Number	Chemical Substance	CAS Number	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
P108	Strychnine and salts	57-24-9	x		
P109	Tetraethyldithiopyrophosphate	3689-24-5	x		
P110	Tetraethyl lead	78-00-2	x		
P111	Tetraethlpyrophosphate	107-49-3	x		
P112	Tetranitromethane	509-14-8	x		
P113	Thallic oxide	1314-32-5	x		
P114	Thallium selenite	12039-52-0	x		
P115	Thallium (I) sulfate	7446-18-6	x		
P116	Hydrazinecarbothioamide	79-19-6	x		
P118	Trichloromethanethiol	75-70-7	x		
P119	Vanadic acid, ammonium salt	7803-55-6	x		
P120	Vanadium pentoxide	1314-62-1	x		
P121	Zinc cyanide	557-21-1	x		
P122	Zinc phosphide	1314-84-7	x		
P123	Toxaphene	8001-35-2	x		
U001	Acetaldehyde (I)	75-07-0	x	x	x
U002	Acetone (I)	67-64-1	x	x	x
U003	Acetonitrile (I,T)	75-05-8	x	x	x
U004	Acetophenone	98-86-2	x	x	x
U005	2-Acetylaminofluorene	53-96-3	x	x	x
U006	Acetyl chloride (C,R,T)	75-36-5	x	x	x
U007	Acrylamide	76-06-1	x	x	x
U008	Acrylic Acid (I)	79-10-7	x	x	x
U009	Acrylonitrile	107-13-1	x	x	x
U010	Mitomycin C	50-07-7	x	x	x
U011	Amitrole	61-82-5	x	x	x
U012	Aniline (I,T)	62-53-3	x	x	x
U014	Auramine	492-80-8	x	x	x
U015	Azaserine	115-02-6	x	x	x
U016	Benz[c]acridine	225-51-4	x	x	x
U017	Benzal chloride	98-87-3	x	x	x
U018	Benz[a]anthracene	56-55-3	x	x	x
U019	Benzene (I,T)	71-43-2	x	x	x
U020	Benzenesulfonyl chloride	98-09-9	x		
U021	Benzidine	92-87-5	x	x	x
U022	Benzo[a]pyrene	50-32-8	x	x	x
U023	Benzotrichloride (C,R,T)	98-07-7	x	x	x
U024	Dichloromethoxy ethane	111-91-1	x	x	x
U025	Dichloroethyl ether	111-44-4	x	x	x
U026	Chlornaphazine	494-03-1	x	x	x
U027	Dichloroisopropyl ether	108-60-1	x	x	x
U028	Diethylhexyl phthalate	117-81-7	x	x	x
U029	Methyl bromide	74-83-9	x	x	x
U030	4-Bromophenyl phenyl ether	101-55-3	x	x	x
U031	1-Butanol (I)	71-36-3	x	x	x
U032	Calcium chromate	13765-19-0	x		

EPA Hazardous Waste Number	Chemical Substance	CAS Number	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
U033	Carbon oxyfluoride	353-50-4	x	x	x
U034	Chloral	75-87-6	x	x	x
U035	Chlorambucil	305-03-3	x	x	x
U036	Chlordane, alpha and gamma isomers	57-74-9	x	x	x
U037	Chlorobenzene	108-90-7	x	x	x
U038	Chlorobenzilate	510-15-6	x	x	x
U039	p-Chloro-m-cresol	59-50-7	x	x	x
U041	Epichlorohydrin	106-89-8	x	x	x
U042	2-Chloroethyl vinyl ether	110-75-8	x	x	x
U043	Vinyl chloride	75-01-4	x	x	x
U044	Chloroform	67-66-3	x	x	x
U045	Methyl chloride (I,T)	74-87-3	x	x	x
U046	Chloromethyl methyl ether	107-30-2	x	x	x
U047	beta-Chloronaphthalene	91-58-7	x	x	x
U048	o-Chlorophenol	95-57-8	x	x	x
U049	4-Chloro-o-toluidine, hydrochloride	3165-93-3	x		
U050	Chrysene	218-01-9	x	x	x
U051	Creosote		x	x	x
U052	Cresols (Cresylic acid)	1319-77-3	x	x	x
U053	Crotonaldehyde	4170-30-3	x	x	x
U055	Cumene (I)	98-82-8	x	x	x
U056	Cyclohexane (I)	110-82-7	x	x	x
U057	Cyclohexanone (I)	108-94-1	x	x	x
U058	Cyclophosphamide	50-18-0	x	x	x
U059	Daunomycin	20830-81-3	x	x	x
U062	Diallate	2303-16-4	x	x	x
U063	Dibenz[a,h]anthracene	53-70-3	x		
U064	Dibenzo(a,l)pyrene	189-55-9	x	x	x
U066	1,2-Dibromo-3-chloropropane	96-12-8	x	x	x
U067	Ethylene dibromide	106-93-4	x	x	x
U068	Methylene bromide	74-95-3	x	x	x
U069	Dibutyl phthalate	84-74-2	x	x	x
U070	o-Dichlorobenzene	95-50-1	x	x	x
U071	m-Dichlorobenzene	541-73-1	x	x	x
U072	p-Dichlorobenzene	106-46-7	x	x	x
U073	3,3-Dichlorobenzidine	91-94-1	x	x	x
U074	1,4-Dichloro-2-butene	764-41-0	x	x	x
U075	Dichlorodifluoromethane (I,T)	75-71-8	x	x	x
U076	Ethylidene dichloride	75-34-3	x	x	x
U077	Ethylene dichloride	107-06-2	x	x	x
U078	1,1 Dichloroethylene	75-35-4	x	x	x
U079	1,2-Dichloroethylene	156-60-5	x	x	x
U080	Methylene chloride	75-09-2	x	x	x
U081	2,4-Dichlorophenol	120-83-2	x	x	x

EPA Hazardous Waste Number	Chemical Substance	CAS Number	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
U082	2,6-Dichlorophenol	87-65-0	x	x	x
U083	1,2Dichloropropane	78-87-5	x	x	x
U084	1,3-Dichloropropene	542-75-6	x	x	x
U085	1,2:3,4-Diepoxybutane (I,T)	1464-53-5	x	x	x
U086	N,N-Diethylhydrazine	1615-80-1	x	x	x
U087	O,O-Diethyl S-methyldithiophosphate	3288-58-2	x	x	x
U088	Diethylphthalate	84-66-2	x	x	x
U089	Diethylstilbesterol	56-53-1	x	x	x
U090	Dihydrosafrole	94-58-6	x	x	x
U091	3,3-Dimethoxybenzidine	119-90-4	x	x	x
U092	Dimethylamine (I)	124-40-3	x	x	x
U093	p-Dimethylaminoazobenzene	60-11-7	x	x	x
U094	7,12-Dimethylbenz(a)anthracene	57-97-6	x	x	x
U095	3,3-Dimethylbenzidine	119-93-7	x	x	x
U096	alpha,alpha-Dimethylbenzylhydroperoxide	80-15-9	x		
U097	Dimethylcarbamoyl chloride	79-44-7	x	x	x
U098	1,1-Dimethylhydrazine	57-14-7	x	x	x
U099	1,2-Dimethylhydrazine	540-73-8	x	x	x
U101	2,4-Dimethylphenol	105-67-9	x	x	x
U102	Dimethylphthalate	131-11-3	x	x	x
U103	Dimethyl sulfate	77-78-1	x	x	x
U105	2,4-Dinitrotoluene	121-14-2	x	x	x
U106	2,6-Dinitro toluene	606-20-2	x	x	x
U107	Di-n-octyl phthalate	117-84-0	x	x	x
U108	1,4-Dioxane	123-91-1	x	x	x
U109	1,2-Diphenylhydrazine	122-66-7	x	x	x
U110	Dipropylamine (I)	142-84-7	x	x	x
U111	Di-n-propylnitrosamine	621-64-7	x	x	x
U112	Ethyl acetate (I)	141-78-6	x	x	x
U113	Ethyl acrylate (I)	140-88-5	x	x	x
U114	Ethylenebisdithiocarbamic acid, salts and esters	111-54-6	x	x	x
U115	Ethylene oxide (I,T)	75-21-8	x	x	x
U116	Ethylenethiourea	96-45-7	x	x	x
U117	Ethyl ether (I)	60-29-7	x	x	x
U118	Ethyl methacrylate	97-63-2	x	x	x
U119	Ethylemethane sulfonate	65-50-0	x	x	x
U120	Fluoranthene	206-44-0	x	x	x
U121	Trichloromonofluoromethane	75-69-4	x		
U122	Formaldehyde	50-00-0	x	x	x
U123	Formic acid (C,T)	64-18-6	x	x	x
U124	Furfuran (I)	110-00-9	x	x	x
U125	Furfural (I)	98-01-1	x	x	x
U126	Glycidylaldehyde	765-34-4	x	x	x

EPA Hazardous Waste Number	Chemical Substance	CAS Number	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
U127	Hexachlorobenzene	118-74-1	x	x	x
U128	Hexachlorobutadiene	87-68-3	x	x	x
U129	Lindane	58-89-9	x	x	x
U130	Hexachlorocyclopentadiene	77-47-4	x	x	x
U131	Hexachloroethane	67-72-1	x	x	x
U132	Hexachlorophene	70-30-4	x	x	x
U133	Hydrazine (R,T)	302-01-2	x	x	x
U134	Hydrofluoric acid (C,T)	7664-39-3	x	x	x
U135	Hydrogen sulfide	7783-06-4	x	x	x
U136	Cacodylic acid	75-60-5	x	x	x
U137	Indeno [1,2,3 cd] pyrene	193-39-5	x	x	x
U138	Methyl iodide	74-88-4	x	x	x
U140	Isobutyl alcohol (I,T)	78-83-1	x	x	x
U141	Isosafrole	120-58-1	x	x	x
U142	Kepone	143-50-0	x	x	x
U143	Lasiocarpine	303-34-4	x	x	x
U144	Lead acetate	301-04-2	x	x	x
U145	Lead phosphate	7446-27-7	x		
U146	Lead subacetate	1335-32-6	x	x	x
U147	Maleic anhydride	108-31-6	x	x	x
U148	Maleic hydrazide	123-33-1	x	x	x
U149	Malononitrile	109-77-3	x	x	x
U150	Melphalan	148-82-3	x	x	x
U151	Mercury	7439-97-6	x		
U152	Methacrylonitrile (I,T)	126-98-7	x	x	x
U153	Methane Thiol (I,T)	74-93-1	x	x	x
U154	Methanol (I)	67-56-1	x	x	x
U155	Methapyrilene	91-80-5	x	x	x
U156	Methylchlorocarbonate (I,T)	79-22-1	x	x	x
U157	3-Methylcholanthrene	56-49-5	x	x	x
U158	4,4-Methylenebis (2-chloroaniline)	101-14-4	x	x	x
U159	Methyl ethyl ketone (MEK) (I,T)	78-93-3	x	x	x
U160	Methyl ethyl ketone peroxide (R,T)	1338-23-4	x	x	x
U161	Methyl isobutyl ketone (I)	108-10-1	x	x	x
U162	Methyl methacrylate (I,T)	80-62-6	x	x	x
U163	MNNG	70-25-7	x	x	x
U164	Methylthiouracil	56-04-2	x	x	x
U165	Naphthalene	91-20-3	x	x	x
U166	1,4-Naphthoquinone	130-15-4	x	x	x
U167	alpha-Naphthylamine	134-32-7	x	x	x
U168	beta-Naphthylamine	91-59-8	x	x	x
U169	Nitrobenzene (I,T)	98-95-3	x	x	x
U170	p-Nitrophenol	100-02-7	x	x	x
U171	2-Nitropropane (I,T)	79-46-9	x	x	x
U172	N-Nitrosodi-n-butylamine	924-16-3	x	x	x

EPA Hazardous Waste Number	Chemical Substance	CAS Number	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
U173	N-Nitrosodiethanolamine	1116-54-7	x	x	x
U174	N-Nitrosodiethylamine	55-18-5	x	x	x
U176	N-Nitroso-N-ethyl urea	759-73-9	x	x	x
U177	N-Nitroso-N-methylurea	684-93-5	x	x	x
U178	N-Nitroso-N-methylurethane	615-53-2	x	x	x
U179	N-Nitrosopiperidine	100-75-4	x	x	x
U180	Nitrosopyrrolidine	930-55-2	x	x	x
U181	5-Nitro-o-toluidine	99-55-8	x	x	x
U182	Paraldehyde	123-63-7	x	x	x
U183	Pentachlorobenzene	608-93-5	x	x	x
U184	Pentachloroethane	76-01-7	x	x	x
U185	Pentachloronitrobenzene (PCNB)	82-68-8	x	x	x
U186	1,3-Pentadiene (I)	504-60-9	x	x	x
U187	Phenacetin	62-44-2	x	x	x
U188	Phenol	108-95-2	x	x	x
U189	Phosphorus sulfide	1314-80-3	x	x	x
U190	Phthalic anhydride	85-44-9	x	x	x
U191	2-Picoline	109-06-8	x	x	x
U192	Pronamide	23950-58-5	x	x	x
U193	1,3-Propane sultone	1120-71-4	x	x	x
U194	n-Propylamine(I,T)	107-10-8	x	x	x
U196	Pyridine	110-86-1	x	x	x
U197	p-Benzoquinone	106-51-4	x	x	x
U200	Reserpine	50-55-5	x	x	x
U201	Resorcinol	108-46-3	x	x	x
U202	Saccharin and salts	81-07-2	x	x	x
U203	Safrole	94-59-7	x	x	x
U204	Selenium dioxide	7783-00-8	x		
U205	Selenium sulfide	7488-56-4	x		
U206	Streptozotocin	18883-66-4	x	x	x
U207	1,2,4,5-Tetrachlorobenzene	95-94-3	x	x	x
U208	1,1,1,2-Tetrachloroethane	630-20-6	x	x	x
U209	1,1,2,2-Tetrachloroethane	79-34-5	x	x	x
U210	Tetrachloroethylene	127-18-4	x	x	x
U211	Carbon tetrachloride	56-23-5	x	x	x
U213	Tetrahydrofuran (I)	109-99-9	x	x	x
U214	Thallium (I) acetate	563-68-8	x		
U215	Thallium (I) carbonate	6533-73-9	x		
U216	Thallium (I) chloride	7791-12-0	x		
U217	Thallium (I) nitrate	10102-45-1	x		
U218	Thioacetamide	62-55-5	x	x	x
U219	Thiourea	62-56-6	x	x	x
U220	Toluene	108-88-3	x	x	x
U221	Toluenediamine	25376-45-8	x	x	x
U222	o-Toluidine hydrochloride	636-21-5	x	x	x
U223	Toluene diisocyanate (R,T)	26471-62-5	x	x	x

EPA Hazardous Waste Number	Chemical Substance	CAS Number	Onsite Management [1]		
			Storage in [2]		Incineration
			Containers	Tanks	Liquid
U225	Bromoform	75-25-2	x	x	x
U226	1,1,1-Trichloroethane	71-55-6	x	x	x
U227	1,1,2-Trichloroethane	79-00-5	x	x	x
U228	Trichloroethylene	79-01-6	x	x	x
U234	1,3,5-Trinitrobenzene (R,T)	99-35-4	x	x	x
U235	Tris(2,3-dibromopropyl)phosphate	126-72-7	x	x	x
U236	Trypan blue	72-57-1	x	x	x
U237	Uracil mustard	66-75-1	x		
U238	Ethyl carbamate (urethane)	51-79-6	x		
U239	Xylene	1330-20-7	x	x	x
U240	2,4-D, salts and esters	94-75-7	x	x	x
U243	Hexachloropropene	1888-71-7	x	x	x
U244	Thiram	137-26-8	x	x	x
U246	Cyanogen bromide	506-68-3	x	x	x
U247	Methoxychlor	72-43-5	x	x	x
U248	Warfarin & salts	81-81-2	x	x	x
U249	Zinc phosphide Zn(3)P2 (<=10%)	1314-84-7	x	x	x
U328	o-Toluidine	95-53-4	x	x	x
U353	p-Toluidine	106-49-0	x	x	x
U359	Ethylene glycol monoethyl ether	110-80-5	x	x	x
U404	Triethylamine	121-44-8	x	x	x

Notes:

1. An “x” indicates that EPA waste code is handled as stated in the column.
2. Storage in any container storage area or tank listed in Attachment D
3. D002 can only be handled in accordance with Attachment D, D-2a(4), Neutralization in Tanks

IX. COMPLIANCE SCHEDULE

1. Within sixty (60) days of the effective date of the permit the Permittee shall submit specifications, plans and a schedule for installation of an impermeable, compatible coating for the hazardous waste tank secondary containment.

2. Within two hundred ten (210) days of the effective date of the permit, the Permittee shall install an impermeable, compatible coating for the hazardous waste tank secondary containment. The Permittee shall consider the coating selection approved if no notice indicating otherwise is provided by the IDEM within sixty (60) days.

3. Within sixty (60) days of the effective date of the permit, the Permittee shall submit a topographic map that indicates, for the closed ash landfill, the waste management area boundaries, the property boundaries, the proposed "point of compliance" as defined in 40 CFR 264.95, the proposed groundwater monitoring well locations as required by 40 CFR 264.97, the locations of the uppermost aquifer and aquifers hydraulically interconnected beneath the facility (including flow direction and rate), and if present, the extent of the plume of contamination that has entered the groundwater from a regulated unit. This is application information required by 40 CFR 270.14(c).